### PATENT APPLICATION

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Paul E. Haeberli

Date:

December 6, 2003

Filed:

Simultaneously herewith

Docket No.: HAEBPAU-2

Title:

Fabrication of Free Form Structures from Planar Materials

### Information Disclosure Statement

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §1.56, applicant wishes to call the attention of the Examiner to the following documents:

# **United States Patents**

U.S. Patent No.	<u>Patentee</u>	Issue Date
4,912,644	Aoyama et al.	03-27-1990
5,237,647	Roberts et al.	08-17-1993
5,396,265	Ulrich et al.	03-07-1995
5,587,914	Conradson et al.	12-24-1996
5,864,482	Hazama et al.	01-26-1999
5,969,973	Bourne et al.	10-19-1999
5,971,583	Ohnishi et al.	10-26-1999
6,144,896	Kask et al.	11-07-2000
6,185,476	Sakai	02-06-2001
6,256,595	Schwalb et al.	07-03-2001
6,272,447	Gavin et al.	08-07-2001

6,411,862 Hazama et al. 06-25-2002

6,493,603 Haeberli 12-10-2002

U.S. Pub. No. Applicant Publication date

2003/0033041 Richey 02-13-2003

#### Other Documents

"Automated Fabrication", Marshall Burns, (PTR Prentice Hall, 1993), title page, pp. 322–323, © 1993 Ennex<sup>TM</sup> Corp.

"Bend the Rules of Structure", by Peter Hall, Metropolis magazine, June 2003

"Planar Layout (Prisa) of Freeform Models", by Gersho Elber, website printout <a href="http://www.siggraph.org/s98/conference/teapot/prisa.html">http://www.siggraph.org/s98/conference/teapot/prisa.html</a> May 16, 2003

"Creating Models of Truss Structures with Optimization", by Jeffrey Smith, Jessica Hodgins, Andrew Witkin and Irving Oppenheim, ACM SIGGRAPH conference proceedings

"PRISA", website printout, <a href="http://lumimath.univ-mrs.fr/~jlm/cours/irit70/nodel143.html">http://lumimath.univ-mrs.fr/~jlm/cours/irit70/nodel143.html</a> May 29, 2003

"Model fabrication using surface layout projection" by Gershon Elber, Computer-Aided Design, Vol. 27, No.4, pp. 283-291, 1995

"Direct WYSIWYG Painting and Texturing on 3D Shapes," Pat Hanrahan and Paul Haeberli, *Computer Graphics*, Vol. 24, No. 4, Aug. 1990, pp. 215–223, © 1990 ACM-0-8791-344-2/90/008/0215, copying by permission of the Association for Computing Machinery

"Triangulation of a Convex Polygon" http://www.cs.rutgers.edu/~djimenez/ut/utsa/cs3343/lecture12.html

"Rhinoceros® NURBS modeling for Windows" Version 3.0 User's Guide, pp. 500-501, Robert McNeel & Associates, 1993

Copies of the non patent references are submitted herewith along with Form PTO/SB/08A and

## Form PTO/SB/08B.

Applicant respectfully requests that these documents be expressly considered during the prosecution of this application and made of record herein and appear among the "documents cited" on any patent to issue herefrom.

Respectfully submitted,

By:

David R. J. Stiennon, Reg. No. 33212

Attorney for Applicant Stiennon & Stiennon

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Madison, WI 53701-1667

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		5,237	,647				Roberts et	al.		08-1	7-1993		••••••	
		5,396	,265				Ulrich et al.		•••••	03-0	7-1995		•	
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		6,272,447			••••••	Gavin et al.		•••••	<b></b>	7-2001				
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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		"Automated Fabrication", Marshall Burns, (PTR Prentice Hall, 1993), title page, pp. 322-323, © 1993 Ennex™ Corp.							
		"Bend the Rules of Structure", by Peter Hall, Metropolis magazine, June 2003							
•••••	•••••••	"Planar Layout (Prisa) of Freeform Models", by Gersho Elber, website printout <a href="http://www.siggraph.org/s98/conference/teapot/prisa.html">http://www.siggraph.org/s98/conference/teapot/prisa.html</a> May 16, 2003							
••••••	••••••	"Creating Models of Truss Structures with Optimization", by Jeffrey Smith, Jessica Hodgins, Andrew Witkin and Irving Oppenheim, ACM SIGGRAPH conference proceedings  "PRISA", website printout, <a href="http://lumimath.univ-mrs.fr/~jlm/cours/irit70/nodel143.html">http://lumimath.univ-mrs.fr/~jlm/cours/irit70/nodel143.html</a> May 29, 2003							
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••••••		"Model fabrication using surface layout projection" by Gershon Elber, Computer-Aided Design, Vol. 27, No.4, pp. 283-291, 1995							
••••••		"Direct WYSIWYG Painting and Texturing on 3D Shapes," Pat Hanrahan and Paul Haeberli, Computer Graphics, Vol. 24, No. 4, Aug. 1990, pp. 215-223, \$\infty\$ 1990 ACM-0-8791-344-2/90/008/0215, copying by permission of the Association for Computing Machinery	••••••						
•••••		"Triangulation of a Convex Polygon" http://www.cs.rutgers.edu/~djimenez/ut/utsa/cs3343/lecture12.html							
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language translation is attached